

ASDSF  
20.2.4.4 v5



5129 N. Shirley St. Suite 100, Ruston, WA 98407

September 15, 2010

Mr. Kevin L. Rochlin  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue, ECL-111  
Seattle, WA 98101

RE: Monthly Report: No. 171, August 2010  
Operable Unit No. 02 - Asarco Tacoma Smelter Site

RECEIVED  
SEP 16 2010  
Environmental  
Cleanup Office

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 218.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gary Pedersen".

Gary Pedersen  
Chief Operations Manager

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology  
Evan Griffiths - CH2MHill (2 copies)  
Leslie Ann Rose - Citizens for a Healthy Bay



Monthly Report 171, August 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on August 6<sup>th</sup> and August 27<sup>th</sup>.
2. Construction of the sanitary sewer project occurred during the month of August and will continue through September.
3. Completed sampling in accordance with the BNSF Quit Claim Area Soils Sampling and Analysis Plan and delivered samples to Test America for laboratory analysis.
4. Continued weekly site-inspection reports (see attached).
5. Maintained clean work area and road.
6. Remedial Action activities continued.
7. Training activities include the following:
  - Site specific Safety Orientation (Clean Zone) was held for personnel of the following companies:
    - i. (6) Parametrix workers
    - ii. (6) Pacific Pile & Marine workers
    - iii. (1) NW Cascade worker
    - iv. (1) Exact Transport worker
    - v. (1) Fast Signs worker
    - vi. (2) City of Tacoma workers
    - vii. (1) Point Ruston worker
    - viii. (3) JW Morrissette workers
    - ix. (1) SC Fuels worker
    - x. (2) Olson Brothers workers
    - xi. (2) Town of Ruston workers
    - xii. (1) McGowan Photography worker (for Parametrix)
    - xiii. (2) Department of Natural Resources workers
  - Site Specific Safety Orientation (Exclusion Zone) was held for personnel of the following companies:
    - i. (2) Town of Ruston workers(3) JW Morrissette workers
    - ii. (3) Olson Brothers workers
  - HAZWOPER 24-hr training was completed by personnel of the following companies:
    - i. (2) JW Morrissette workers
  - HAZWOPER annual retraining was completed by personnel of the following companies:
    - i. (1) Point Ruston worker
    - ii. (1) Olson Brothers worker

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B. *Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.*

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston on August 9<sup>th</sup>, 17<sup>th</sup>, 23<sup>rd</sup>, and 30<sup>th</sup>.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS. Results from the July 29<sup>th</sup> leachate sample are attached (4.9ppm). Shipment pending.
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. Results for samples collected during July 26<sup>th</sup> through 30<sup>th</sup> and August 1<sup>st</sup> through 27<sup>th</sup> are attached. Results for the remainder of August are pending laboratory analysis and will be submitted with the September 2010 monthly report.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring data (Exposure Evaluations) conducted in August are attached.

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*C. Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
  - No plans were submitted during August. Point Ruston, through Hydrometrics, is working on responses to comments received for the Sequence of Development and Occupancy Plan and the Operations, Maintenance, and Monitoring Plan.
2. Remedial Action included the following tasks:
  - OCF construction activities:
    - Maintained leachate collection system.
  - Stack Hill construction activities:
    - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.
    - Maintained site perimeter fence and signage at the north end of Stack Hill.
  - Site-wide remediation/redevelopment activities:
    - Continued surface water controls
    - Maintained onsite haul roads and stockpiles
    - Maintained erosion and surface water controls
    - Continued site-wise dust monitoring and control through site and access road watering
    - Continued air-monitoring program per CH&SP

*D. Actions scheduled for the next six weeks.*

1. Continue construction of public infrastructure. The sanitary sewer project will be completed, tested and submitted for acceptance to the City of Tacoma, Town of Ruston and EPA. The Deliverables specified in the BN Remedial Action Plan will be delivered to EPA for review. Upon approval of the Deliverables excavation will begin for this project.
2. Obtain final approval from the Town of Ruston and the City of Tacoma for the road portion of the Master Infrastructure/LID project . The items remaining are recording of 2 storm sewer easements and Ruston Way street dedication in Tacoma. These are in progress.

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3. Address comments from the June 17, 2010 meeting regarding Occupancy Plan Development, and submit a proposal for a Temporary Cap in compliance with the Consent Decree.
4. Respond to EPA comments on the Operation, Maintenance and Monitoring Plan
5. Response to EPA comments regarding the Point Ruston CC&Rs
6. Continue with ASARCO Dock Removal Project by DNR's contractor
7. Work with the Town of Ruston on issues related to the lease of the school house.

The following Remedial Action tasks are planned to continue:

**RA Monitoring:**

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

**OCF OMMP activities:**

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

**Stack Hill construction activities:**

- a. Erosion controls and site maintenance
- b. Continue home construction
- c. Begin face cap installation

**Site-wide construction activities:**

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure

*E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.*

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.
2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way

*F. Modifications to work plans or schedules proposed to or approved by EPA.*

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Asarco Tacoma Smelter Site

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010 and has been in continuing discussions with EPA over the proposed schedule modification.

G. *Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.*

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues to work with MetroParks to incorporate the capping component into the Peninsula Park design, pursuant to the Memorandum of Agreement between Point Ruston, LLC and MetroParks regarding the design and remediation plan for Breakwater Peninsula. Point Ruston met with members of the Peninsula Park Joint Planning group in June.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
4. Point Ruston has been actively working with the Washington Dept. of Natural Resources on Asarco docks demolition project. The 3 docks are scheduled to be removed during this season's "fish window", with work to begin in early September. Point Ruston met with DNR and representatives from DNR's contractor Pacific Pile and Marine to review the site layout, and choose a construction trailer location. Point Ruston and DNDR are also engaged in plans to armor certain portions of the shoreline, per the EPA approved design.



# Weekly Site Inspection Report No. 2010-0801

Week of 8/1 - 7, 2010

Inspector Tim Rusher

## Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
<b>Gates:</b>					
51 <sup>st</sup> Street	(G)	F	P	Y	(N)
South (electric)	(G)	F	P	Y	(N)
Cooling Pond	(G)	F	P	Y	(N)
Peninsula	(G)	F	P	Y	(N)
54 <sup>th</sup> Street (electric)	(G)	F	P	Y	(N)
<b>Signage:</b>					
Gates	(G)	F	P	Y	(N)
Perimeter	(G)	F	P	Y	(N)
Safety	(G)	F	P	Y	(N)
(Other)	(G)	F	P	Y	N
<i>REFINED UP DUST &amp; EXCAVATION ZONES</i>					
<b>Public Streets:</b>					
Ruston Way	G	F	P	Y	N
51 <sup>st</sup> & Gallagher	G	F	P	Y	N
Stack Hill	G	F	P	Y	N
(Other)	G	F	P	Y	N
<b>BMPs:</b>					
Berms	G	F	P	Y	N
Waddles	G	F	P	Y	N
Silt Fence	G	F	P	Y	N
(Other)	G	F	P	Y	N
<b>Strom drains clean:</b>					
Lower Site	G	F	P	Y	N
Stack Hill	G	F	P	Y	N
<b>Stockpiles:</b>					
Envirotac II	G	F	P	Y	N
Plastic	G	F	P	Y	N
Packed	G	F	P	Y	N
Grass	G	F	P	Y	N
<b>Dust:</b>					
Traffic areas	G	F	P	Y	N
Excavation area	G	F	P	Y	N
(Other)	G	F	P	Y	N
<b>Fencing:</b>					
Site Perimeter	G	F	P	Y	N
Zone Separation	G	F	P	Y	N
(Other)	G	F	P	Y	N

**Weekly Site Inspection Report No. 2010 - 0801**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Cameras:</b> Stack Hill Lower Site	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:	RODARTE INSTALLING SCAFFOLD LINES ON 51 <sup>ST</sup> BTWN BENNETT AND GALLAGHER. AT TIME GENERATING LARGE QUANTITIES OF DUST. AT OTHER TIMES WASHING STREET W/WATER, WHICH FLOWED ONTO OUR SITE.

**WEATHER:**

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday	8/1	56/73 SW WIND 4 MPH/GUST 8 MPH, NO PRECIPITATION
Monday	2	54/75 W WIND 3 MPH/GUST 4 MPH, NO PRECIPITATION
Tuesday	3	55/77 SW WIND 4 MPH/GUST 7 MPH, NO PRECIPITATION
Wednesday	4	56/79 SSW WIND 3 MPH/GUST 7 MPH, NO PRECIPITATION
Thursday	5	59/85 SW WIND 6 MPH/GUST 10 MPH, NO PRECIPITATION
Friday	6	57/70 SSW WIND 5 MPH/GUST 10 MPH, NO PRECIPITATION
Saturday	7	57/70 SSW WIND 4 MPH/GUST 9 MPH, PRECIP-EVEN "0.08"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/9/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



# Weekly Site Inspection Report No. 2010-0808

Week of 8/8 - 14, 2010

Inspector Tim RUSHMORE

## Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Gates:</b> 51 <sup>st</sup> Street South (electric) Cooling Pond Peninsula 54 <sup>th</sup> Street (electric)	(G) F P (G) F P (G) F P (G) F P (G) F P	Y Y Y Y Y	(N) (N) (N) (N) (N)
<b>Signage:</b> Gates Perimeter Safety (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y Y	(N) (N) (N) N
<b>Public Streets:</b> Ruston Way 51 <sup>st</sup> & Gallagher Stack Hill (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y Y	(N) (N) (N) (N)
<b>BMPs:</b> Berms Waddles Silt Fence (Other)	(G) F P (G) F P (G) F P G F P	Y Y Y Y	(N) (N) (N) N
<b>Strom drains clean:</b> Lower Site Stack Hill	(G) F P (G) F P	Y Y	(N) (N)
<b>Stockpiles:</b> Envirotac II Plastic Packed Grass	(G) F P (G) F P (G) F P G F P	Y Y Y Y	(N) (N) (N) N
<b>Dust:</b> Traffic areas Excavation area (Other)	(G) F P (G) F P G F P	Y Y Y	(N) (N) N
<b>Fencing:</b> Site Perimeter Zone Separation (Other)	(G) F P (G) F P G F P	Y Y Y	(N) (N) N

**Weekly Site Inspection Report No. 2010 - 0808**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
<b>Cameras:</b> Stack Hill Lower Site	G	(F)	P	Y	(N)
	G	F	(P)	(Y)	N
	G	F	P	Y	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: Four Water Trucks IN USE AS NEEDED

**WEATHER:**

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday	8	57/73 SW WIND 6 mph/GUST 8 mph, No PRECIPITATION
Monday	9	57/70 SSW WIND 5 mph/GUST 9 mph, No PRECIPITATION
Tuesday	10	55/72 S WIND 3 mph/GUST 6 mph, No PRECIPITATION
Wednesday	11	55/78 SSW WIND 3 mph/GUST 9 mph, No PRECIPITATION
Thursday	12	56/75 SSE WIND 3 mph/GUST 8 mph, No PRECIPITATION
Friday	13	58/80 NE WIND 4 mph/GUST 9 mph, No PRECIPITATION
Saturday	14	60/90 NNE WIND 2 mph/GUST 8 mph, No PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/17/10

SIGNED:

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer

Weekly Site Inspection Report No. 2010-0815  
 Week of 8/15 - 21, 2010 Inspector Tim RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:				
51 <sup>st</sup> Street	(G) F	P	Y	(N)
South (electric)	(G) F	P	Y	(N)
Cooling Pond	(G) F	P	Y	(N)
Peninsula	(G) F	P	Y	(N)
54 <sup>th</sup> Street (electric)	(G) F	P	Y	(N)
Signage:				
Gates	(G) F	P	Y	(N)
Perimeter	(G) F	P	Y	(N)
Safety	(G) F	P	Y	(N)
(Other)	G F	P	Y	N
Public Streets:				
Ruston Way	(G) F	P	Y	(N)
51 <sup>st</sup> & Gallagher	(G) F	P	Y	(N)
Stack Hill	(G) (F) P	P	Y	(N)
(Other)	G F	P	Y	N
Workers ON 49 <sup>th</sup> ST. TRICKLING SOILS ONTO STACK HILL STREETS (VILLIARD + COURT) DAILY				
BMPs:				
Berms	(G) F	P	Y	(N)
Waddles	(G) F	P	Y	(N)
Silt Fence	(G) F	P	Y	(N)
(Other)	G F	P	Y	N
Strom drains clean:				
Lower Site	(G) F	P	Y	(N)
Stack Hill	(G) F	P	Y	(N)
Stockpiles:				
Envirotac II	(G) F	P	Y	(N)
Plastic	(G) F	P	Y	(N)
Packed	(G) F	P	Y	(N)
<del>Grass</del>	G F	P	Y	N
Dust:				SEE NOTES
Traffic areas	(G) F	P	Y	(N)
Excavation area	(G) F	P	Y	(N)
Ruston (Other) WAY	G F	P	(Y)	N
Workers OBSERVE Public Making DUST AT S. END				
Fencing:				
Site Perimeter	(G) F	P	Y	(N)
Zone Separation	(G) F	P	Y	(N)
(Other)	G F	P	Y	N
CHANGED + MAINTAINED AS NEEDED				

**Weekly Site Inspection Report No. 2010 - 0815**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	G	F	P	Y (N)	
	G	F	P	Y (N)	
	G	F	P	Y N	
<b>Cameras:</b> Stack Hill Lower Site	G	F (E)	P	Y (N)	
	G	F	P	Y N	
	G	F	(P)	(Y) N	
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other					N.S.
	G	F	P	Y (N)	
	G	F	P	Y (N)	
	G	F	P	Y N	

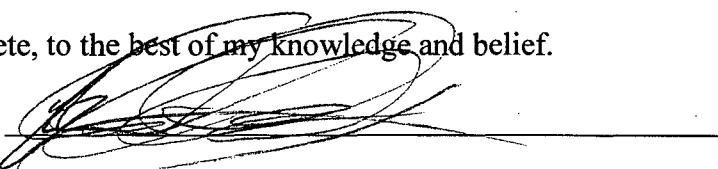
G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: ONGOING PROBLEM OF Public + OTHER TRAFFIC USING BNSF PROPERTY ADJACENT TO RUSTON WAY NEAR SOUTH END OF SITE. SOME VEHICLES APPEAR TO BE INTENTIONALLY DRIVING FAST ON DIRT, CAUSING LARGE AMOUNTS OF DUST TO BLOW ONTO SURROUNDING RESIDENCES AND POINT RUSTON PROPERTY ATTEMPTING TO DOCUMENT WORST INCIDENTS.

**WEATHER:**

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday	15	62/90 NNE WIND 2 mph/GUST 7 mph, No PRECIPITATION
Monday	16	59/87 SSW WIND 3 mph/GUST 8 mph, No PRECIPITATION
Tuesday	17	59/89 SW WIND 4 mph/GUST 12 mph, No PRECIPITATION
Wednesday	18	58/71 SSW WIND 1 mph/GUST 9 mph, No PRECIPITATION
Thursday	19	58/71 SSW WIND 5 mph/GUST 8 mph, No PRECIPITATION
Friday	20	51/69 S WIND 3 mph/GUST 5 mph, No PRECIPITATION
Saturday	21	51/72 S WIND 4 mph/GUST 6 mph, No PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/23/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer

*Point  
Ruston*

Weekly Site Inspection Report No. 2010 - 0822  
 Week of 8/12 - 18, 2010 Inspector Tim Ruster  
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
<b>Gates:</b> 51 <sup>st</sup> Street South (electric) Cooling Pond Peninsula 54 <sup>th</sup> Street (electric)	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
<b>Signage:</b> Gates Perimeter Safety (Other)	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
	(G) F	P	Y	(N)	
	G	F	P	Y	N
<b>Public Streets:</b> Ruston Way 51 <sup>st</sup> & Gallagher Stack Hill (Other)	G	F	P	Y	(N) CLOSED TO TRAFFIC
	G	F	P	Y	(N) CLOSED TO TRAFFIC
	G	(F)	P	Y	(N) 49 <sup>th</sup> ST. WORK TRADING SOILS ONTO VILLARD
	G	F	P	Y	N SWEEPER COMES AT END OF DAY.
<b>BMPs:</b> Berms Waddles Silt Fence (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
<b>Strom drains clean:</b> Lower Site Stack Hill	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
<b>Stockpiles:</b> Envirotac II Plastic Packed <u>Grass</u>	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
<b>Dust:</b> Traffic areas Excavation area (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
<b>Fencing:</b> Site Perimeter Zone Separation (Other)	(G)	F	P	Y	(N)
	G	(F)	P	(Y)	N
	G	F	P	Y	N
	CAUGHT 2 DEER USING ANTLERS TO TEAR UP ZONE FENCING.				

**Weekly Site Inspection Report No. 2010-0822**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
<b>Docks:</b> Barriers Signs (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
<b>Cameras:</b> Stack Hill Lower Site					
	G	(F)	P	Y	(N)
	G	F	(P)	(Y)	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	G	F	(P)	Y	N
	(G)	F	P	Y	(N)
	G	F	P	Y	N

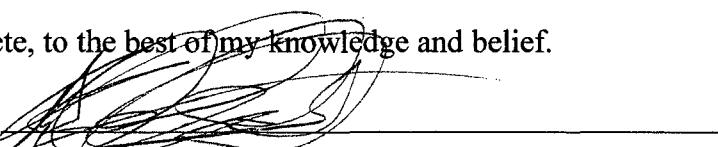
G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: Deer w/antlers found walking excision zone fence line tearing up sections at random w/antlers.

**WEATHER:**

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 22	50/73	SSW WIND 7MPH/GUST 11MPH, NO PRECIPITATION
Monday 23	52/72	NE WIND 3MPH/GUST 8MPH, NO PRECIPITATION
Tuesday 24	54/80	NE WIND 3MPH/GUST 5MPH, NO PRECIPITATION
Wednesday 25	50/79	NE WIND 2MPH/GUST 7MPH, NO PRECIPITATION
Thursday 26	56/72	SW WIND 7MPH/GUST 10MPH, NO PRECIPITATION
Friday 27	54/67.5	WIND 4MPH/GUST 7MPH, NO PRECIPITATION
Saturday 28	49/67	NE WIND 2MPH/GUST 7MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 8/30/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



# Weekly Site Inspection Report No. 2010 - 0829

Week of 8/29 - 9/4, 2010 Inspector Tim Ruster

## Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:			
51 <sup>st</sup> Street	(G) F P	Y (N)	Ruston Way Closed Btwn. 49 <sup>th</sup> & 51 <sup>st</sup>
South (electric)	(G) F P	Y (N)	
Cooling Pond	(G) F P	Y (N)	
Peninsula	(G) F P	Y (N)	
54 <sup>th</sup> Street (electric)	(G) F P	Y (N)	
Signage:			(*) SEE NOTES
Gates	(G) F P	Y (N)	
Perimeter	(G) F P	Y (N)	
Safety	(G) F P	Y (N)	
(Other)	G F P	Y N	
Public Streets:			
Ruston Way	(G) F P	Y (N)	
51 <sup>st</sup> & Gallagher	(G) F P	Y (N)	
Stack Hill	(G) F P	Y (N)	
(Other)	G F P	Y N	
BMPs:			
Berms	(G) F P	Y (N)	
Waddles	(G) F P	Y (N)	
Silt Fence	(G) F P	Y (N)	
(Other)	G F P	Y N	
Strom drains clean:			
Lower Site	(G) F P	Y (N)	
Stack Hill	(G) F P	Y (N)	
Stockpiles:			
Envirotac II	(G) F P	Y (N)	
Plastic	(G) F P	Y (N)	
Packed	(G) F P	Y (N)	
<del>Grass</del>	G F P	Y N	
Dust:			
Traffic areas	(G) F P	Y (N)	
Excavation area	(G) F P	Y (N)	
(Other)	G F P	Y N	
Fencing:			(*) SEE NOTES
Site Perimeter	(G) F P	Y (N)	
Zone Separation	(G) F P	Y (N)	
(Other)	G F P	Y N	

**Weekly Site Inspection Report No. 2010-0829**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	(G)	F	P	Y (N)	
	(G)	F	P	Y (N)	
	G	F	P	Y N	
<b>Cameras:</b> Stack Hill Lower Site	(G)	F	P	Y (N)	
	G	F	P (Y)	N	
	G	F	P	Y N	
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	(G)	F	P	Y (N)	
	(G)	F	P	Y (N)	
	G	F	P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

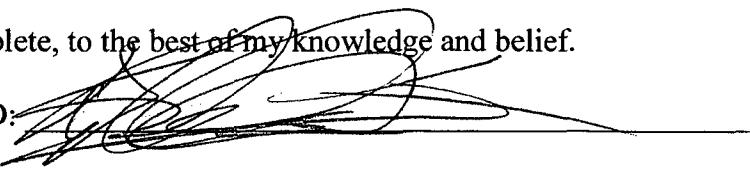
**Misc. notes:** RUSTON WAY CLOSED ON 8/23/10. BTWN 49<sup>TH</sup> & 51<sup>ST</sup> INCLUDING CAR TUNNEL. FENCE & SIGNS COMPLETELY CROSS ROAD @ 51<sup>ST</sup>, TUNNEL & NEAR S. GATE. REPORTS OF NUMEROUS PERSONS CAUGHT ON SITE DURING WORK HOURS. SAID THEY CLIMBED OVER FENCES & WERE JUST CURIOUS. ALL FENCES HAVE SIGNS POSTED "NO TRESPASSING" "KEEP OUT" ETC WHERE PEOPLE MIGHT TRY TO ACCESS. GOING TO STEP UP PATROLS.

**WEATHER:**

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 29	52/66	SSW WIND 5 MPH/GUST 8 MPH, NO PRECIPITATION
Monday 30	52/69	SSW WIND 3 MPH/GUST 10 MPH, NO PRECIPITATION
Tuesday 31	54/68	SSW WIND 6 MPH/GUST 9 MPH, PRECIP. NOON 0.28"
Wednesday 9/1	57/70	SSW WIND 3 MPH/GUST 10 MPH, NO PRECIPITATION
Thursday 2	52/71	NE WIND 4 MPH/GUST 6 MPH, NO PRECIPITATION
Friday 3	54/82	SSW WIND 3 MPH/GUST 8 MPH, NO PRECIPITATION
Saturday 4	56/71	SSW WIND 6 MPH/GUST 10 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

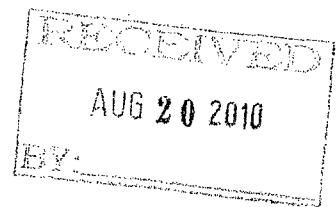
DATE: 9/4/10

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer

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08/17/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/02/2010  
Spectra Project: 2010080029

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235958	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235958	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235957	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235957	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235956	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235956	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/26/2010
8235955	4	Arsenic	0.07	µg/m3	SW846 6010B	Filter	07/27/2010
8235955	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2010
8235954	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2010
8235954	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2010
8235953	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2010
8235953	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/27/2010
8235952	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010
8235952	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010
8235951	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010
8235951	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010

## SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager  
a8/scj



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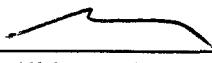
08/17/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/02/2010  
Spectra Project: 2010080029

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235950	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010
8235950	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/28/2010
8235949	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235949	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235948	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235948	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235947	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235947	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235945	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235945	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235944	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235944	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235943	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235943	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/30/2010
8235946	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010
8235946	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/29/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager  
a8/scj

## CHAIN OF CUSTODY RECORD

2010080029

POINT  
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185

Fax: 253-752-7083

PROJ. NO		PROJECT NAME		SAMPLERS: (Signature) <i>John R. R.</i>	NO. OF CONTAINERS <i>A 5, P 10</i>	REMARKS <i>PLEASE EMAIL RESULTS To: Tim@POINTRUSTON.com</i>	
DATE	STA #	TIME	COMP				
GRAB	SAMPLE NUMBER						
7/26/10	SG		✓				8235958
7/26/10	CCF-VI		✓				8235957
7/26/10	CCF-NW		✓				8235956
7/27/10	SG		✓				8235955
7/27/10	CCF-VI		✓				8235954
7/27/10	CCF-NW		✓				8235953
7/28/10	SG		✓				8235952
7/28/10	CCF-VI		✓	8235951			
7/28/10	CCF-NW		✓	8235950			
7/29/10	SG		✓	8235949			
7/29/10	CCF-VI		✓	8235948			
7/29/10	CCF-NW		✓	8235947			
7/30/10	SG		✓	8235945			
7/30/10	CCF-VI		✓	8235944			
7/30/10	CCF-NW		✓	8235943			
Relinquished: (Signature) <i>John R. R.</i>		Date/Time 8-2-10 2:02	Received by: (Signature) <i>Mari Holt</i>	Lab <i>Spectra</i>	Shipped via: FedEx, UPS, or Other <i>WHIRLIN</i>		
Relinquished (Signature)		Date/Time	Received by: (Signature)	Remarks			
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:		
					<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
Split Samples: [ ]Accepted [ ]Declined _____							

POINT  
RUSTON

5219 N. Shirley St., Suite 100. Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

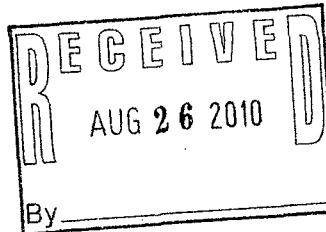
CHAIN OF CUSTODY RECORD

2010080029

PROJ. NO	PROJECT NAME <i>Air Monitoring Point Ruston, LLC</i>					NO. OF CONTAINERS	<i>1 1/2</i>	REMARKS
SAMPLERS: (Signature)								
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
7/29/10	Control				8235946	1	✓	
<i>8/2/10 HI-VOLUME SAMPLER LOG 1 PAGE (F.M. DATA FOR LISTED FILTERS)</i>  <i>PLEASE EMAIL RESULTS</i> <i>To:</i> <i>Tim@PointRuston.com</i>								
Relinquished (Signature)		Date/Time	Received by: (Signature)			Lab	Shipped via: FedEx, UPS or Other <u>WALK IN</u> Air Bill #	
Relinquished (Signature)		Date/Time	Received by: (Signature)			Remarks		
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)			Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ Signature								

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08/25/2010

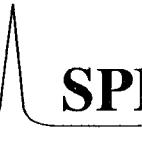
Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitors (hi-vol)  
Date Received: 08/10/2010  
Spectra Project: 2010080233

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235942	1	Arsenic	0.07	µg/m³	SW846 6010B	Filter	08/02/2010
8235942	1	Lead	0.05	µg/m³	SW846 6010B	Filter	08/02/2010
8235941	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/02/2010
8235941	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/02/2010
8235940	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/02/2010
8235940	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/02/2010
8235939	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235939	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235938	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235938	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235937	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235937	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/03/2010
8235936	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/04/2010
8235936	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/04/2010
8235935	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	08/04/2010
8235935	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	08/04/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager  
a8/scj



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08/25/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitors (hi-vol)  
Date Received: 08/10/2010  
Spectra Project: 2010080233

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235934	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2010
8235934	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/04/2010
8235933	10	Arsenic	0.13	µg/m3	SW846 6010B	Filter	08/05/2010
8235933	10	Lead	0.08	µg/m3	SW846 6010B	Filter	08/05/2010
8235931	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2010
8235931	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/05/2010
8235930	12	Arsenic	0.07	µg/m3	SW846 6010B	Filter	08/06/2010
8235930	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2010
8235932	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2010
8235932	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2010
8235928	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2010
8235928	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/06/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager  
a8/scj

## CHAIN OF CUSTODY RECORD

2010080233

**POINT  
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO	PROJECT NAME		NO. OF CONTAINERS	REMARKS				
	AIR MONITORS	POINT RUSTON, LLC			HI-VOL			
SAMPLERS (Signature)	<i>John E. Ruston Jr.</i>							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
8/2/10	SG		✓		8235942	1 ✓		
8/2/10	OCF-VI		✓		8235941	1 ✓		
8/2/10	OCF-NW		✓		8235940	1 ✓		
8/3/10	SG		✓		8235939	1 ✓		
8/3/10	OCF-VI		✓		8235938	1 ✓		
8/3/10	OCF-NW		✓		8235937	1 ✓		
8/4/10	SG		✓		8235936	1 ✓		
8/4/10	OCF-VI		✓		8235935	1 ✓		
8/4/10	OCF-NW		✓		8235934	1 ✓		
8/5/10	SG		✓		8235933	1 ✓		
8/5/10	OCF-NW		✓		8235931	1 ✓		
8/6/10	SG		✓		8235930	1 ✓		
8/6/10	OCF-VI		✓		8235932	1 ✓		
8/6/10	OCF-NW		✓		8235928	1 ✓		
8/9/10					HIVOLUME SAMPLER LOG	1 PAGE	C.F.M. DATA FOR LISTED FILT.	
Relinquished (Signature)	<i>John E. Ruston Jr.</i>	Date/Time	8/10/10 12:46	Received by: (Signature)	<i>Ron</i>	Lab	Shipped via: FedEx, UPS or Other	
						SPECTRA	<i>WHITIN</i>	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks		
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)	Date/Time	Enclosed:		
						<input type="checkbox"/> Parameter List with DTLs		
						<input type="checkbox"/> Cover Letter		
						Split Samples: [ ] Accepted [ ] Declined _____		
						Signature		

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SEP 03 2010

08/31/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/18/2010  
Spectra Project: 2010080356

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235927	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235927	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235926	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235926	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235925	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235925	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235924	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235924	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235923	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235923	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235922	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235922	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/10/2010
8235921	7	Arsenic	0.09	µg/m3	SW846 6010B	Filter	08/11/2010
8235921	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2010
8235920	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2010
8235920	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager  
a8/scj



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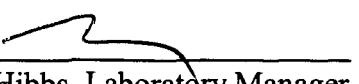
08/31/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/18/2010  
Spectra Project: 2010080356

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235919	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2010
8235919	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/11/2010
8235918	10	Arsenic	0.25	µg/m3	SW846 6010B	Filter	08/12/2010
8235918	10	Lead	0.14	µg/m3	SW846 6010B	Filter	08/12/2010
8235917	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2010
8235917	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2010
8235916	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2010
8235916	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/12/2010
8235915	13	Arsenic	0.86	µg/m3	SW846 6010B	Filter	08/13/2010
8235915	13	Lead	0.53	µg/m3	SW846 6010B	Filter	08/13/2010
8235914	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2010
8235914	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2010
8235913	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2010
8235913	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/13/2010
8235929	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010
8235929	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/09/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

**POINT  
RUSTON**

5219 N. Shirley St., Suite 100      Tacoma, WA 98407  
Phone: 253-752-2185      Fax: 253-752-7083

**CHAIN OF CUSTODY RECORD**

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
AIR MONITORING	POINT Hi-VOL RUSTON, LLC						
SAMPLERS: (Signature)		<i>Sam &amp; Ruth</i>					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
8/9/10	CONTROL			✓	8235929	1	✓
8/17/10	Hi-VOLUME SAMPLER LOG 1 PAGE					C.F.M. DATA FOR LISTED FILTERS	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab	Shipped via FedEx, UPS or Other
<i>Ruth</i>		8/18/10 1:03		<i>Ruth Hoz</i>		<i>Spireta</i>	<i>WHARPN</i>
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed:
							<input type="checkbox"/> Parameter List with DTLs
							<input type="checkbox"/> Cover Letter
Split Samples: [ ]Accepted [ ]Declined _____							
Signature							

CHAIN OF CUSTODY RECORD

2010080356

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS		
Air Monitoring		POINT RUSTON, LLC Hi-VOL					
SAMPLERS: (Signature)		<i>John R. Rulon</i>					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
8/9/10	SG		✓		8235927	1 ✓	PLEASE EMAIL RESULTS
8/9/10	CF-VI		✓		8235926	1 ✓	To:
8/9/10	CF-NW		✓		8235925	1 ✓	T.m2@PointRuston.com
8/10/10	SG		✓		8235924	1 ✓	
8/10/10	CF-VI		✓		8235923	1 ✓	
8/10/10	CF-NW		✓		8235922	1 ✓	
8/11/10	SG		✓		8235921	1 ✓	
8/11/10	CF-VI		✓		8235920	1 ✓	
8/11/10	CF-NW		✓		8235919	1 ✓	
8/12/10	SG		✓		8235918	1 ✓	
8/12/10	CF-VI		✓		8235917	1 ✓	
8/12/10	CF-NW		✓		8235916	1 ✓	
8/13/10	SG		✓		8235915	1 ✓	
8/13/10	CF-VI		✓		8235914	1 ✓	
8/13/10	CF-NW		✓		8235913	1 ✓	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx/UPS or Other	
<i>John R. Rulon</i>		8/18/10 14:03	<i>R. Rulon</i>		Spectra	WALKIN	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks		
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:	
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: [ ]Accepted [ ]Declined _____ Signature							



# SPECTRA Laboratories

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SEP 03 2010

BY:

08/31/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/25/2010  
Spectra Project: 2010080473

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235912	1	Arsenic	0.28	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235912	1	Lead	0.14	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235911	2	Arsenic	0.10	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235911	2	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235910	3	Arsenic	0.08	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235910	3	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/16/2010
8235909	4	Arsenic	0.06	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235909	4	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235908	5	Arsenic	0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235908	5	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235907	6	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235907	6	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/17/2010
8235905	7	Arsenic	0.12	µg/m <sup>3</sup>	SW846 6010B	Filter	08/18/2010
8235905	7	Lead	0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/18/2010
8235904	8	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/18/2010
8235904	8	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	08/18/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager  
a8/scj



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08/31/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/25/2010  
Spectra Project: 2010080473

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235903	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/18/2010
8235903	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/18/2010
8235902	10	Arsenic	0.06	µg/m3	SW846 6010B	Filter	08/19/2010
8235902	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2010
8235901	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2010
8235901	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2010
8226700	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2010
8226700	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/19/2010
8226699	13	Arsenic	0.06	µg/m3	SW846 6010B	Filter	08/20/2010
8226699	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2010
8226698	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2010
8226698	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2010
8226697	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2010
8226697	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/20/2010
8235906	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2010
8235906	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/17/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

2610020473

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
AIR MONITORING	Point Ruston, LLC Hi-VOL						
SAMPLERS: (Signature)							
DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		
8/17/10	CONTROL			✓	8235906	1	✓
8/23/10					Hi-VOLUME SAMPLER LOG	1 PAGE	C.E.M.D. DATA FOR LISTED FILTERS
X							
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab	Shipped via FedEx, UPS or Other <u>WALK IN</u> Air Bill #
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
				<i>Maree Holt</i>		8-25-16 1034	Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ Signature

CHAIN OF CUSTODY RECORD

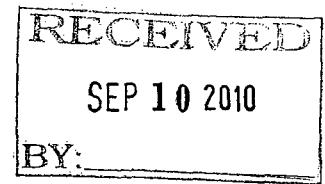
2010080473

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
Air Monitoring	POINT RUSTON, LLC HI-VOL						
SAMPLERS (Signature)	<i>John Rich Jr.</i>						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
8/11/10	SG		✓		8235912	1 ✓	PLEASE EMAIL RESULTS TO Tim.Latant@POINTRUSTON.com
8/11/10	OCF-VI		✓		8235911	1 ✓	
8/11/10	OCF-NW		✓		8235910	1 ✓	
8/17/10	SG		✓		8235909	1 ✓	
8/17/10	OCF-VI		✓		8235908	1 ✓	
8/17/10	OCF-NW		✓		8235907	1 ✓	
8/18/10	SG		✓		8235905	1 ✓	
8/18/10	OCF-VI		✓		8235904	1 ✓	
8/18/10	OCF-NW		✓		8235903	1 ✓	
8/19/10	SG		✓		8235902	1 ✓	
8/19/10	OCF-VI		✓		8235901	1 ✓	
8/19/10	OCF-NW		✓		82260700	1 ✓	
8/20/10	SG		✓		82260699	1 ✓	
8/20/10	OCF-VI		✓		82260698	1 ✓	
8/20/10	OCF-NW		✓		82260697	1 ✓	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab	Shipped via FedEx, UPS or Other Air Bill #
<i>John Rich Jr.</i>							<u>WALK IN</u>
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed:
				<i>Marie Well</i>		8/25/10 11:54	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: [ ]Accepted [ ]Declined _____							
Signature _____							



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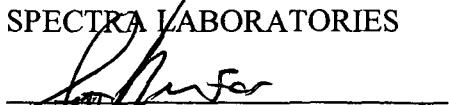
09/08/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/31/2010  
Spectra Project: 2010080572

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226696	1	Arsenic	0.17	µg/m3	SW846 6010B	Filter	08/23/2010
8226696	1	Lead	0.11	µg/m3	SW846 6010B	Filter	08/23/2010
8226695	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/23/2010
8226695	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/23/2010
8226694	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/23/2010
8226694	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/23/2010
8226693	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226693	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226692	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226692	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226691	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226691	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/24/2010
8226690	7	Arsenic	0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226690	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226689	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226689	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager

a8/scj



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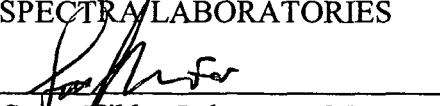
09/08/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)  
Date Received: 08/31/2010  
Spectra Project: 2010080572

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226688	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226688	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226686	10	Arsenic	0.20	µg/m3	SW846 6010B	Filter	08/26/2010
8226686	10	Lead	0.12	µg/m3	SW846 6010B	Filter	08/26/2010
8226685	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2010
8226685	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2010
8226684	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2010
8226684	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/26/2010
8226683	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226683	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226682	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226682	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226681	15	Arsenic	0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226681	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/27/2010
8226687	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010
8226687	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	08/25/2010

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager  
a8/scj

## CHAIN OF CUSTODY RECORD



5219 N. Shirley St., Suite 100  
Phone: 253-752-2185

Tacoma, WA 98407

Fax: 253-752-7083

2010080572

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
AIR MONITORING		POINT RUSTON, LLC Hi-vac				A 5, P 6
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
8/23/10	SG		✓		82266696	
8/23/10	OCF-VI		✓		82266695	
8/23/10	OCF-NW		✓		82266694	
8/24/10	SG		✓		82266693	
8/24/10	OCF-VI		✓		82266692	
8/24/10	OCF-NW		✓		82266691	
8/25/10	SG		✓		82266690	
8/25/10	OCF-VI		✓		82266689	
8/25/10	OCF-NW		✓		82266688	
8/26/10	SG		✓		82266686	
8/26/10	OCF-VI		✓		82266685	
8/26/10	OCF-NW		✓		82266684	
8/27/10	SG		✓		82266683	
8/27/10	OCF-VI		✓		82266682	
8/27/10	OCF-NW		✓		82266681	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	
		8/31/10 12:41			Spectra	
Shipped via: FedEx, UPS or Other		WAKIN				
Air Bill #						
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:
						<input type="checkbox"/> Parameter List with DTLs
						<input type="checkbox"/> Cover Letter
Split Samples:		[ ]Accepted [ ]Declined _____				
		Signature				

## CHAIN OF CUSTODY RECORD

**POINT  
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

7010080572

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
		AIR MONITORING POINT RUSTON, LLC HI-VOL			
SAMPLES: (Signature)					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER
8/25/10	CONTROL			✓	8226687
8/30/10					Hi-VOLUME SAMPLE LOG 1 PAGE
					7010080572
					C.F.M. DATA FOR LISTED FILTERS
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab
<i>John P. R.</i>		8/31/10 12:41	<i>Patricia R.</i>		Spectra
Shipped via: FedEx, UPS or Other:				WATKIN	
Remarks					
Relinquished (Signature)		Date/Time	Received by: (Signature)		Date/Time
					Enclosed:
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		<input type="checkbox"/> Parameter List with DTLs
					<input type="checkbox"/> Cover Letter
Split Samples: [ ] Accepted [ ] Declined _____					
Signature					

# SPECTRA Laboratories

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08/09/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: C.B#9 & 10  
Sample Matrix: Filter  
Date Sampled: 08/04/2010  
Date Received: 08/04/2010  
Spectra Project: 2010080098

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
080310-181	1	Arsenic	0.14	µg/m3	SW846 6020A
080310-181	1	Lead	0.16	µg/m3	SW846 6020A
080310-646	2	Arsenic	0.10	µg/m3	SW846 6020A
080310-646	2	Lead	0.16	µg/m3	SW846 6020A
080310-719	3	Arsenic	0.05	µg/m3	SW846 6020A
080310-719	3	Lead	0.09	µg/m3	SW846 6020A
080310-123	4	Arsenic	0.10	µg/m3	SW846 6020A
080310-123	4	Lead	0.14	µg/m3	SW846 6020A

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/scj

Page 1 of 1

## CHAIN OF CUSTODY RECORD

201008080498

POINT  
RUSTON5219 N. Shirley St, Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO <i>LID</i>	PROJECT NAME <i>#XXXXXXXXX C.B #9310</i>		NO. OF CONTAINERS <i>A5xPD</i>	REMARKS					
SAMPLER# <sup>8</sup> (Signature) <i>Jessica R</i>	DATE	STA #			TIME	COMP	GRAB	SAMPLE NUMBER	
8/3/10				✓		080310-181	1	✓	$\mu$ g/FILTER PRECISION
8/3/10				✓		080310-646	1	✓	
8/3/10				✓		080310-719	1	✓	
8/3/10				✓		080310-123	1	✓	
<i>8/4/10 - SAMPLE LOG INFO SHEET 2 PAGE'S</i>									
<i>PLEASE EMAIL RESULTS TO: Tim@POINTRUSTON.com</i>									
Relinquished (Signature) <i>RK</i>	Date/Time <i>8/4/10 12:31</i>	Received by (Signature) <i>RK</i>		Lab <i>SPECTRA</i>	Shipped via: FedEx, UPS or Other <i>WALK IN</i>				
Relinquished (Signature)	Date/Time	Received by: (Signature)		Remarks					
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter				
Split Samples: <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Declined _____									

Table 1. Summary of August 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.053	10.65%	0.005	1.00%	0.003	0.50%
OSW2	0.059	11.80%	0.003	0.50%	0.000	0.00%
North Outfall	0.035	7.00%	0.003	0.50%	0.000	0.00%

\* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

## ANALYTICAL SUMMARY REPORT

September 10, 2010

Point Ruston LLC  
5219 N Shirley St Ste 100  
Ruston, WA 98407-6599

Workorder No.: B10082721

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 12 samples for Point Ruston LLC on 8/31/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10082721-001	TSM0810409 North	08/09/10 12:28	08/31/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10082721-002	TSM0810109 South	08/09/10 12:42	08/31/10	Aqueous	Same As Above
B10082721-003	TSM0810209 OSW2	08/09/10 12:43	08/31/10	Aqueous	Same As Above
B10082721-004	TSM0810417 North	08/17/10 10:55	08/31/10	Aqueous	Same As Above
B10082721-005	TSM0810117 South	08/17/10 10:44	08/31/10	Aqueous	Same As Above
B10082721-006	TSM0810217 OSW2	08/17/10 10:45	08/31/10	Aqueous	Same As Above
B10082721-007	TSM0810423 North	08/23/10 10:06	08/31/10	Aqueous	Same As Above
B10082721-008	TSM0810123 South	08/23/10 9:51	08/31/10	Aqueous	Same As Above
B10082721-009	TSM0810223 OSW2	08/23/10 9:52	08/31/10	Aqueous	Same As Above
B10082721-010	TSM0810430 North	08/30/10 8:47	08/31/10	Aqueous	Same As Above
B10082721-011	TSM0810130 South	08/30/10 9:30	08/31/10	Aqueous	Same As Above
B10082721-012	TSM0810230 OSW2	08/30/10 9:31	08/31/10	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Supervisor, Wet Chemistry

Digitally signed by  
Keri Conter  
Date: 2010.09.13 15:52:15 -06:00

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-001  
**Client Sample ID:** TSM0810409-North

**Report Date:** 09/10/10  
**Collection Date:** 08/09/10 12:28  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.014	mg/L		0.005	E200.8		09/01/10 09:55 / jjw
Copper	ND	mg/L		0.01	E200.8		09/01/10 09:55 / jjw
Zinc	ND	mg/L		0.01	E200.8		09/01/10 09:55 / jjw

**Report Definitions:** RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-002  
**Client Sample ID** TSM0810109 South

**Report Date:** 09/10/10  
**Collection Date:** 08/09/10 12:42  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.051	mg/L		0.005	E200.8		09/01/10 21:30 / tao
Copper	0.01	mg/L		0.01	E200.8		09/01/10 21:30 / tao
Zinc	ND	mg/L		0.01	E200.8		09/01/10 21:30 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-003  
**Client Sample ID** TSM0810209 OSW2

**Report Date:** 09/10/10  
**Collection Date:** 08/09/10 12:43  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.053	mg/L		0.005	E200.8		09/02/10 00:17 / tao
Copper	ND	mg/L		0.01	E200.8		09/02/10 00:17 / tao
Zinc	ND	mg/L		0.01	E200.8		09/02/10 00:17 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10082721-004  
Client Sample ID TSM0810417 North

Report Date: 09/10/10  
Collection Date: 08/17/10 10:55  
DateReceived: 08/31/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.068	mg/L		0.005	E200.8		09/02/10 00:22 / tao
Copper	0.01	mg/L		0.01	E200.8		09/02/10 00:22 / tao
Zinc	ND	mg/L		0.01	E200.8		09/02/10 00:22 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-005  
**Client Sample ID:** TSM0810117 South

**Report Date:** 09/10/10  
**Collection Date:** 08/17/10 10:44  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.058	mg/L		0.005	E200.8		09/01/10 21:34 / tao
Copper	0.01	mg/L		0.01	E200.8		09/01/10 21:34 / tao
Zinc	ND	mg/L		0.01	E200.8		09/01/10 21:34 / tao

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-006  
**Client Sample ID** TSM0810217 OSW2

**Report Date:** 09/10/10  
**Collection Date:** 08/17/10 10:45  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.053	mg/L		0.005	E200.8		09/02/10 00:26 / tao
Copper	ND	mg/L		0.01	E200.8		09/02/10 00:26 / tao
Zinc	ND	mg/L		0.01	E200.8		09/02/10 00:26 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-007  
**Client Sample ID:** TSM0810423 North

**Report Date:** 09/10/10  
**Collection Date:** 08/23/10 10:06  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.031	mg/L		0.005	E200.8		09/01/10 21:38 / tao
Copper	ND	mg/L		0.01	E200.8		09/01/10 21:38 / tao
Zinc	ND	mg/L		0.01	E200.8		09/01/10 21:38 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-008  
**Client Sample ID:** TSM0810123 South

**Report Date:** 09/10/10  
**Collection Date:** 08/23/10 09:51  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.053	mg/L		0.005	E200.8		09/01/10 21:43 / tao
Copper	ND	mg/L		0.01	E200.8		09/01/10 21:43 / tao
Zinc	0.01	mg/L		0.01	E200.8		09/01/10 21:43 / tao

**Report Definitions:** RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-009  
**Client Sample ID:** TSM0810223 OSW2

**Report Date:** 09/10/10  
**Collection Date:** 08/23/10 09:52  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.071	mg/L		0.005	E200.8		09/02/10 00:30 / tao
Copper	0.01	mg/L		0.01	E200.8		09/02/10 00:30 / tao
Zinc	ND	mg/L		0.01	E200.8		09/02/10 00:30 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-010  
**Client Sample ID** TSM0810430 North

**Report Date:** 09/10/10  
**Collection Date:** 08/30/10 08:47  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.027	mg/L		0.005	E200.8		09/02/10 00:34 / tao
Copper	ND	mg/L		0.01	E200.8		09/02/10 00:34 / tao
Zinc	ND	mg/L		0.01	E200.8		09/02/10 00:34 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-011  
**Client Sample ID** TSM0810130 South

**Report Date:** 09/10/10  
**Collection Date:** 08/30/10 09:30  
**DateReceived:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.051	mg/L		0.005	E200.8		09/01/10 21:47 / tao
Copper	ND	mg/L		0.01	E200.8		09/01/10 21:47 / tao
Zinc	ND	mg/L		0.01	E200.8		09/01/10 21:47 / tao

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10082721-012  
**Client Sample ID:** TSM0810230 OSW2

**Report Date:** 09/10/10  
**Collection Date:** 08/30/10 09:31  
**Date Received:** 08/31/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.059	mg/L		0.005	E200.8		09/02/10 00:38 / tao
Copper	ND	mg/L		0.01	E200.8		09/02/10 00:38 / tao
Zinc	ND	mg/L		0.01	E200.8		09/09/10 12:28 / jjw

**Report Definitions:** RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Point Ruston LLC

**Report Date:** 09/10/10

**Project:** Tacoma Smelter Outfall Samples

**Work Order:** B10082721

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> E200.8	Analytical Run: ICPMS202-B_100901A								
<b>Sample ID:</b> QCS - 100607A,100726A, Initial Calibration Verification Standard	09/01/10 18:00								
Arsenic	0.0510	mg/L	0.0050	102	90	110			
Copper	0.0527	mg/L	0.010	105	90	110			
Zinc	0.0531	mg/L	0.010	106	90	110			
<b>Method:</b> E200.8	Batch: 48740								
<b>Sample ID:</b> MB-48740	Method Blank Run: ICPMS202-B_100901A 09/02/10 00:09								
Arsenic	ND	mg/L	5E-05						
Copper	0.0009	mg/L	3E-05						
Zinc	0.02	mg/L	0.0001						
<b>Sample ID:</b> LCS-48740	Laboratory Control Sample Run: ICPMS202-B_100901A 09/02/10 00:42								
Arsenic	0.486	mg/L	0.0050	97	85	115			
Copper	0.477	mg/L	0.010	95	85	115			
Zinc	0.495	mg/L	0.010	95	85	115			
<b>Sample ID:</b> B10082721-001AMS3	Sample Matrix Spike Run: ICPMS202-B_100901A 09/02/10 00:46								
Arsenic	0.512	mg/L	0.0050	99	70	130			
Copper	0.496	mg/L	0.010	98	70	130			
Zinc	0.517	mg/L	0.010	101	70	130			
<b>Sample ID:</b> B10082721-001AMSD3	Sample Matrix Spike Duplicate Run: ICPMS202-B_100901A 09/02/10 01:06								
Arsenic	0.527	mg/L	0.0050	102	70	130	3	20	
Copper	0.506	mg/L	0.010	100	70	130	2	20	
Zinc	0.529	mg/L	0.010	103	70	130	2.3	20	
<b>Method:</b> E200.8	Batch: R153241								
<b>Sample ID:</b> LRB	Method Blank Run: ICPMS202-B_100901A 09/01/10 10:34								
Arsenic	0.0001	mg/L	3E-05						
Copper	ND	mg/L	8E-05						
Zinc	0.0003	mg/L	0.0001						
<b>Sample ID:</b> LFB	Laboratory Fortified Blank Run: ICPMS202-B_100901A 09/01/10 10:39								
Arsenic	0.0482	mg/L	0.0050	96	85	115			
Copper	0.0505	mg/L	0.010	101	85	115			
Zinc	0.0501	mg/L	0.010	100	85	115			
<b>Sample ID:</b> B10082732-001BMS	Sample Matrix Spike Run: ICPMS202-B_100901A 09/01/10 21:55								
Arsenic	0.0549	mg/L	0.0010	105	70	130			
Copper	0.117	mg/L	0.010	100	70	130			
Zinc	0.0568	mg/L	0.010	101	70	130			
<b>Sample ID:</b> B10082732-001BMSD	Sample Matrix Spike Duplicate Run: ICPMS202-B_100901A 09/01/10 22:15								
Arsenic	0.0528	mg/L	0.0010	101	70	130	3.8	20	
Copper	0.114	mg/L	0.010	95	70	130	2.2	20	

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Point Ruston LLC

**Report Date:** 09/10/10

**Project:** Tacoma Smelter Outfall Samples

**Work Order:** B10082721

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> E200.8	Batch: R153241								
<b>Sample ID:</b> B10082732-001BMSD	Run: ICPMS202-B_100901A								
Zinc	0.0540	mg/L	0.010	95	70	130	5.1	20	
<b>Method:</b> E200.8	Analytical Run: ICPMS202-B_100909A								
<b>Sample ID:</b> QCS - 100607A,100726A, Initial Calibration Verification Standard	09/09/10 10:37								
Zinc	0.0533	mg/L	0.010	107	90	110			
<b>Method:</b> E200.8	Batch: 48740								
<b>Sample ID:</b> MB-48740	Run: ICPMS202-B_100909A								
Arsenic	ND	mg/L	5E-05						
Copper	0.0004	mg/L	3E-05						
Zinc	0.0005	mg/L	0.0001						
<b>Method:</b> E200.8	Analytical Run: ICPMS203-B_100831A								
<b>Sample ID:</b> QCS-100607A,100726A,1 Initial Calibration Verification Standard	09/01/10 09:11								
Arsenic	0.0499	mg/L	0.0050	100	90	110			
Copper	0.0521	mg/L	0.010	104	90	110			
Zinc	0.0512	mg/L	0.010	102	90	110			
<b>Method:</b> E200.8	Batch: 48740								
<b>Sample ID:</b> MB-48740	Run: ICPMS203-B_100831A								
Arsenic	7E-05	mg/L	4E-05						
Copper	0.0008	mg/L	7E-05						
Zinc	0.0004	mg/L	0.0001						

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

## Workorder Receipt Checklist



B10082721

Point Ruston LLC

Login completed by: Leslie S. Cadreau

Date Received: 8/31/2010

Reviewed by: BL2000\kmcdonald

Received by: klb

Reviewed Date: 8/31/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	13°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

---

Contact and Corrective Action Comments:

None

**POINT  
RUSTON**

5219 N. Shirley St, Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS		
TACOMA SMITER		OUTFALL SAMPLES				A5xG+	N2
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
8/9/10	North	12:28	✓		TSM0810409	1 ✓	PLEASE Email Results To: -001
8/9/10	South	12:42	✓		TSM0810109	1 ✓	Tim2@POINTRUSTON.com -002
8/9/10	OSW 2	12:43	✓		TSM0810209	1 ✓	-003
8/17/10	North	10:55	✓		TSM0810417	1 ✓	-004
8/17/10	South	10:44	✓		TSM0810117	1 ✓	-005
8/17/10	OSW 2	10:45	✓		TSM0810217	1 ✓	-006
8/23/10	North	10:06	✓		TSM0810423	1 ✓	-007
8/23/10	South	9:51	✓		TSM0810123	1 ✓	-008
8/23/10	OSW 2	9:52	✓		TSM0810223	1 ✓	-009
8/30/10	North	8:47	✓		TSM0810430	1 ✓	-010
8/30/10	South	9:30	✓		TSM0810130	1 ✓	-011
8/30/10	OSW 2	9:31	✓		TSM0810230	1 ✓	-012

*THANK YOU*

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	Shipped via FedEx, UPS or Other Air Bill #
<i>Kris Buhler</i>	8/30/10 FedEx			
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
		<i>Kris Buhler</i>	8-31-10 09:00	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
			Split Samples: [ ] Accepted [ ] Declined _____	
			Signature	

*PAGE 1 of 1*

*13° FedEx EXP.  
custody seals on all  
bottles*